

MINE SAFETY APPLIANCES COMPANY -- CANDLE,OXYGEN,LARGE,85984 -- 4260-00-875-4568

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Product Identification
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Product ID:CANDLE,OXYGEN,LARGE,85984

MSDS Date:06/01/1987

FSC:4260

NIIN:00-875-4568

Status Code:A

MSDS Number: CJCLG

=== Responsible Party ===

Company Name:MINE SAFETY APPLIANCES COMPANY

Address:RIDC PARK 121 GAMMA DR

Box:426

City:PITTSBURGH

State:PA

ZIP:15230-0426

Country:US

Info Ph

one Num:412-967-3000

Emergency Phone Num:412-967-3000

CAGE:8F723

=== Contractor Identification ===

Company Name:MINE SAFETY APPLIANCES CO

Address:RD 2 EVANS CITY PLANT

Box:City:EVANS CITY

State:PA

ZIP:16033-1291

Country:US

Phone:412-538-3510

CAGE:6G259

Company Name:MINE SAFETY APPLIANCES CO

Address:121 GAMMA DR

Box:426

City:PITTSBURGH

State:PA

ZIP:15230-0426

Country:US

Phone:724-733-9270

CAGE:8F723

Company Name:MINE SAFETY APPLIANCES CO DBA MSA

Address:3880 MEADOWBROOK RD

Box:City:MURRYSVILLE

St

ate:PA
ZIP:15668-1753
Country:US
Phone:724-733-9272
CAGE:55799

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Composition/Information on Ingredients
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Ingred Name:SODIUM CHLORATE
CAS:7775-09-9
RTECS #:FO0525000
Fraction by Wt: 90 - 95%
Other REC Limits:NONE RECOMMENDED

Ingred Name:BARIUM PEROXIDE
CAS:1304-29-6
RTECS #:CR0175000
Fraction by Wt: 1 - 5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG BA/M3
ACGIH TLV:2 MG BA/M3

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Hazards Identification
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Routes of Entry:
Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: SKIN, BLOOD, KIDNEYS,
RESPIRATORY TRACT. ACUTE- TOXIC. PROBABLE HUMAN LETHAL DOSE 50-500
MG/KG (1 TEASPOON TO 1 OZ FOR ADULT). INHALATION OF DUST MAY RESULT
IN IRRITATION. EYE AND SKIN CONTACT MAY CAUSE IRRITATION.
INGESTIONMAY CAUSE ABDOMINAL PAIN, DIFFICULTY IN BREATHING,
DIARRHEA. CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, COUGH, TEARING, PAIN, SNEEZING,
DIARRHEA, VOMITING, NAUSEA, BLUENESS, DIFFICULT BREATHING

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First Aid Measures
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First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED: MOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES: IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN: FLUSH WITH PLENTY OF
WATER. ORAL: DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK PLENTY OF
WATER. GET M

EDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

===== Fire Fighting Measures =====

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:USE STANDARD FIRE FIGHTING EQUIPMENT INCLUDING SELF-CONTAINED PRESSURE DEMAND BREATHING APARATUS WITH FULL FACEPIECE, IMPERVIOUS COVERING AND BOOTS.

Unusual Fire/Explosion Hazard:OXIDIZER. CANDLE CONTAINERS MAY RUPTURE. LIBERATED OXYGEN MAY INCREASE FLAMMABILITY OF COMBUSTIBLE SUBSTANCES.

===== Accidental Release Measures =====

Spill Release Procedures:A MASHED CANDLE SHOULD BE CLEANED UP ON A DRY BASIS. WEAR A NIOSH APPROVED DUST RESPIRATOR AND RUBBER GLOVES. AVOID DUSTING. PLACE PIECES AND SWEEPINGS IN A MARKED DISPOSAL CONTAINER.

DO NOT WET WOOD FLOORS. WASH SPILL AREA WITH SOAP AND WATER.

Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY AREA RESISTANT TO FIRES. STORE SEPARATE FROM INCOMPATIBLE MATERIALS.

Other Precautions:AVOID CONTACT WITH EYES OR SKIN. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY. LAUNDRER BEFORE REUSE. KEEP OUT OF REACH OF

CHILDREN.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE NEEDED IN NORMAL HANDLING. IF DUSTY SITUATIONS PREVAIL, WEAR NIOSH-APPROVED DUST RESPIRATOR OR MASK.

Ventilation:ADEQUATE

Protective Gloves:RUBBER GLOVES

Eye Protection:GOGGLES RECOMMENDED

Other Protective Equipment:EYE BATH, WASHING FACILITIES, SAFETY SHOWER

Work Hygienic Practices:GOOD PRACTICE REQUIRES THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTI

CAL.
Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:D1
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:DECOMPOSES
Decomp Temp:Decomp Text:570F,299C
Spec Gravity:2.49 (NACLO3)
Viscosity:NOT RELEVANT
Evaporation Rate & Reference:NOT RELEVANT
Solubility in Water:45%
Appearance and Odor:LIGHT GREY CYLINDRICAL SOLID MASS - ODORLESS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to A
void:YES
ORGANIC CHEMICALS, COMBUSTIBLES, ACIDS, POTASSIUM CYANIDES,
THIOCYANATES, SULFUR, SULFIDES, MANGANESE DIOXIDE, NH4 SALTS
Stability Condition to Avoid:EXCESSIVE HEAT, IGNITION SOURCES
Hazardous Decomposition Products:STRONG ACIDS REACT WITH SODIUM
CHLORATE RELEASING TOXIC CHLORINE DIOXIDE GAS.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF AS A HAZARDOUS WASTE IN ACCORANCE
WITH, LOCAL, STATE AND FEDERAL REGULATIONS. DO
NOT FLUSH TO SEWER.

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